



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification <sup>6</sup> :</b> <b>C12N 15/13, C07K 16/18, A61K 39/395,</b> <b>C12N 1/21, A61K 51/10, G01N 33/577,</b> <b>33/68</b>	<b>A1</b>	<b>(11) International Publication Number:</b> <b>WO 97/45544</b>  <b>(43) International Publication Date:</b> 4 December 1997 (04.12.97)
<b>(21) International Application Number:</b> PCT/GB97/01412  <b>(22) International Filing Date:</b> 23 May 1997 (23.05.97)  <b>(30) Priority Data:</b> 9610967.3                      24 May 1996 (24.05.96)                      GB  <b>(71) Applicants (for all designated States except US):</b> MEDICAL RESEARCH COUNCIL [GB/GB]; 20 Park Crescent, London WIN 4AL (GB). ISTITUTO NAZIONALE PER LA RICERCA SUL CANCRO [IT/IT]; Largo Rosanna Benzi, 10, I-16132 Genova (IT). UNIVERSITA' DI SIENA [IT/IT]; Centro Didattico Loc. Le Scotte, I-53100 Siena (IT).  <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> NERI, Dario [IT/CH]; Institut für Molekularbiologie und Biophysik, Eth-Hoenggerberg, CH-8093 Zurich (CH). CARNEMOLLA, Barbara [IT/IT]; Laboratorio di Biologia Cellulare, Istituto Nazionale per la Ricerca sul Cancro, Largo Rosanna Benzi, 10, I-16132 Genova (IT). SIRI, Annalisa [IT/IT]; Laboratorio di Biologia Cellulare, Istituto Nazionale per la Ricerca sul Cancro, Largo Rosanna Benzi, 10, I-16132 Genova (IT). BALZA, Enrica [IT/IT]; Laboratorio di		Biologia Cellulare, Istituto Nazionale per la Ricerca sul Cancro, Largo Rosanna Benzi, 10, I-16132 Genova (IT). CASTELLANI, Patrizia [IT/IT]; Laboratorio di Biologia Cellulare, Istituto Nazionale per la Ricerca sul Cancro, Largo Rosanna Benzi, 10, I-16132 Genova (IT). PINI, Alessandro [IT/IT]; Dipartimento di Biologia Molecolare, Università' di Siena, Centro Didattico Loc. Le Scotte, I-53100 Siena (IT). ZARDI, Luciano [IT/IT]; Laboratorio di Biologia Cellulare, Istituto Nazionale per la Ricerca sul Cancro, Largo Rosanna Benzi, 10, I-16132 Genova (IT). WINTER, Greg [GB/GB]; Cambridge Centre for Protein Engineering, MRC Centre, Hills Road, Cambridge CB2 2QH (GB). NERI, Giovanni [IT/IT]; Dipartimento di Biologia Molecolare, Università' di Siena, Centro Didattico Loc. Le Scotte, I-53100 Siena (IT). BORSI, Laura [IT/IT]; Laboratorio di Biologia Cellulare, Istituto Nazionale per la Ricerca sul Cancro, Largo Rosanna Benzi, 10, I-16132 Genova (IT).  <b>(74) Agent:</b> HOWARD, Paul, Nicholas; Carpmaels & Ransford, 43 Bloomsbury Square, London WC1A 2RA (GB).  <b>(81) Designated States:</b> AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
<b>(54) Title:</b> ANTIBODIES TO THE ED-B DOMAIN OF FIBRONECTIN, THEIR CONSTRUCTION AND USES		
<b>(57) Abstract</b>  According to the present invention there is provided a specific binding member which is specific for and binds directly to the ED-B oncofoetal domain of fibronectin (FN). The invention also provides materials and methods for the production of such binding members.		